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Cove, Norcross, GA 30092 (US). QUINN, Patrick, W.; 1226 Sunrise Ridge Drive, Lafayette, CA 94549 (US). TIGHE, Thomas, A.; 330 Oakridge Terrace, Alpharetta, GA 30005 (US). WHITTLESEY, Paul, F.; 1061 Secret Trail, Sugar Hill, GA 30518 (US). VELLA, Emmanuel, A.; 5505 Timson Lane, Alpharetta, GA 30022 (US).

(74) Agent: WIGMORE, Steven, P.; King & Spalding, 191 Peachtree Street, Atlanta, GA 30303-1763 (US).

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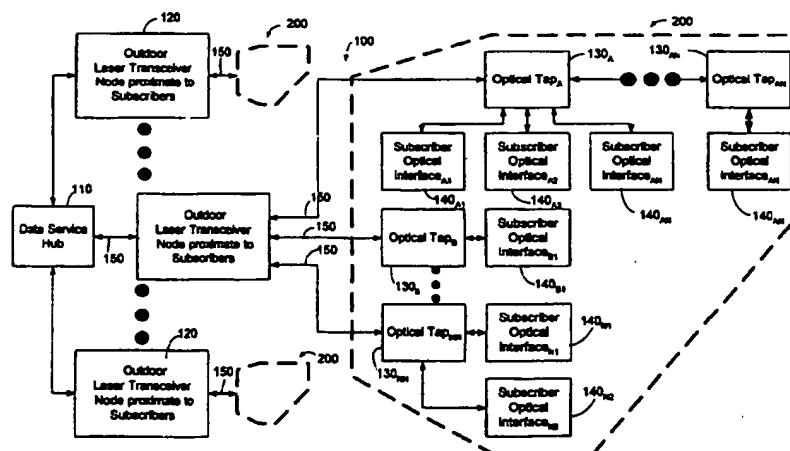
(71) Applicant: WAVE7 OPTICS, INC. [US/US]; Suite 170, 1075 Windward Ridge Parkway, Alpharetta, GA 30005 (US).

(72) Inventors: FARMER, James, O.; 3602 Preston Court, Lilburn, GA 30047 (US). KENNY, John, J.; 5590 Trion

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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR COMMUNICATING OPTICAL SIGNALS BETWEEN A DATA SERVICE PROVIDER AND SUBSCRIBERS



(57) Abstract: An optical fiber network can include an outdoor laser transceiver node that can be positioned in close proximity to the subscribers of an optical fiber network. The outdoor laser transceiver node does not require active cooling and heating devices that control the temperature surrounding the laser transceiver node. The laser transceiver node can adjust a subscriber's bandwidth on a subscription basis or on an as-needed basis. The laser transceiver node can also offer data bandwidth to the subscriber in preassigned increments. Additionally, the laser transceiver node lends itself to efficient upgrading that can be performed entirely on the network side. The laser transceiver node can also provide high speed symmetrical data transmission. Further, the laser transceiver node can utilize off-the-shelf hardware to generate optical signals such as Fabry-Perot (F-P) laser transmitters, distributed feed back lasers (DFB), or vertical cavity surface emitting lasers (VCSELs).



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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	page 698, left-hand column, line 3-6 figures 9-11,13 — — — — — — / —	1,2,9, 11-16, 20,21, 38,41, 45-48, 50,52

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx 31 651 epo nl
Fax (+31-70) 340-3016

Authorized officer

Cochet, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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